



PATENT
Attorney Docket No. FORS-06614

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dahlberg *et al.* Group No.: 1636
Serial No.: 09/941,095 Examiner: James S. Ketter
Filed: 08/28/01
Entitled: Kits for the Detection of Target Sequences

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Mail Stop Amendment
Commissioner for Patents
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Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)

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Date: February 9, 2007

By: _____

Mary Ellen Waite

Sir or Madam:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, in the above-identified application, for filing in the U.S. Patent Office.

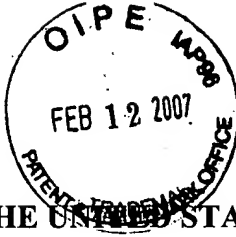
Applicants believe no fee is required. The citations listed were cited in the parent case U.S. Serial No. 08/254,359 filed 06/06/94, which issued as U.S. Patent No. 5,614,402 on 03/25/97.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: February 9, 2007

Mary Ann Brow
Registration No. 42,363

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PATENT

Attorney Docket No. **FORS-06614**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Dahlberg *et al.*

Group No.: 1636

Serial No.: 09/941,095

Examiner: James S. Ketter

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Entitled: **Kits for the Detection of Target Sequences**

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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By: February 9, 2007

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Mary Ellen Waite

Sir or Madam:

The citations listed below may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application. The citations listed below were cited in the parent case U.S. Serial No. 08/254,359 filed 06/06/94, which issued as U.S. Patent No. 5,614,402 on 03/25/97.

- U.S. Patent No. 5,210,015 issued to Gelfand *et al.*
- PCT Publication WO 92/02638
- R.B. Kelley, *et al.*, "Excision of Thymine Dimers and Other Mismatched Sequences by DNA Polymerase of *Escherichia coli*," *Nature* 244:495 (1969)
- A. Kornberg *et al.*, "Enzymatic Synthesis of Deoxyribonucleic Acid, XVI Oligonucleotides as Templates and the Mechanism of Their Replication," *Biochemistry* 51:315 (1961)

- A. Kornberg, "DNA Polymerases - A Perspective," The Enzymes, Vol. XIV:3
- I.R. Lehman, "DNA Polymerase I of *Escherichia coli*," The Enzymes, Vol. XIV:15
- P. Lopez *et al.*, "Characterization of the polA Gene of *Streptococcus pneumoniae* and Comparison of the DNA Polymerase I It Encodes to Homologous Enzymes from *Escherichia coli* and Phage T7," J. Biol. Chem. 264:4255 (1989)
- H.K. Schachman, *et al.*, "Enzymatic Synthesis of Deoxyribonucleic Acid," J. Biol. Chem. 235:3242 (1960)
- R.C. Lundquist, *et al.*, "Transient Generation of Displaced Single-Stranded DNA During Nick Translation," Cell 31:53 (1982)
- M.A. Innis, *et al.*, "DNA Sequencing with *Thermus aquaticus* DNA Polymerase and Direct Sequencing of Polymerase Chain Reaction-Amplified DNA," Proc. Natl. Acad. Sci. USA 85:9436 (1988)
- Perkin Elmer Cetus, Product Analysis: "AmpliTaq DNA Polymerase"
- Promega, Product Analysis: "Taq DNA Polymerase", Certificate of Analysis
- M.J. Longley *et al.*, "Characterization of the 5' to 3' Exonuclease Associated with *Thermus aquaticus* DNA Polymerase," Nucl. Acids Res. 18:7317 (1990)
- Y. Li, *et al.*, "Targeted Cleavage of mRNA *in vitro* by RNase P from *Escherichia coli*," Proc. Natl. Acad. Sci. USA 89:3185 (1992)
- A.J. Podhajski *et al.*, "Conversion of the *FokI* Endonuclease to a Universal Restriction Enzyme: Cleavage of Phage M13mp7 DNA at Predetermined Sites," Gene 40:175 (1985)
- R.H. Symons, "Small Catalytic RNAs," Annu. Rev. Biochem. 61:641 (1992)
- D.M.J. Lilley, *et al.*, "Cruciform-Resolvase Interactions in Supercoiled DNA," Cell 36:413 (1984)
- S.A. Chow, *et al.*, "Reversal of Integration and DNA Splicing Mediated by Integrase of Human Immunodeficiency Virus," Science 255:723 (1992)
- F.C. Lawyer *et al.*, "High-level Expression, Purification, and Enzymatic Characterization of Full-length *Thermus aquaticus* DNA Polymerase and a

Truncated Form Deficient in 5' to 3' Exonuclease Activity," PCR Meth. and Appl. 2:275 (1993)

- D.R. Duckett *et al.*, "The Structure of DNA Junctions and their Interaction with Enzymes," Eur. J. Biochem. 207:285 (1992)

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: February 9, 2007



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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

Application Number	09/941,095
Filing Date	08/28/01
First Named Inventor	Dahlberg et al.
Art Unit	1636
Examiner Name	James S. Ketter
Attorney Docket Number	FORS-06614

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
	2	WO 92/02638	02/20/1992	Gelfand et al.	entire document	

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
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		First Named Inventor	Dahlberg et al.
		Art Unit	1636
		Examiner Name	James S. Ketter
		Attorney Docket Number	FROS-06614
Sheet	2	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	3	R.B. Kelley, et al., "Excision of Thymine Dimers and Other Mismatched Sequences by DNA Polymerase of Escherichia coli," Nature 244:495 (1969)	
	4	A. Kornberg et al., "Enzymatic Synthesis of Deoxyribonucleic Acid, XVI Oligonucleotides as Templates and the Mechanism of Their Replication," Biochemistry 51:315 (1961)	
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	8	H.K. Schachman, et al., "Enzymatic Synthesis of Deoxyribonucleic Acid," J. Biol. Chem. 235:3242 (1960)	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		First Named Inventor	Dahlberg et al.
		Art Unit	1636
		Examiner Name	James S. Ketter
Sheet 3 of 3	Attorney Docket Number	FORS-06614	

NON PATENT LITERATURE DOCUMENTS			
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	13	M.J. Longley et al., "Characterization of the 5' to 3' Exonuclease Associated with Thermus aquaticus DNA Polymerase," Nucl. Acids Res. 18:7317 (1990)	
	14	Y. Li, et al., "Targeted Cleavage of mRNA in vitro by RNase P from Escherichia coli," Proc. Natl. Acad. Sci. USA 89:3185 (1992)	
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